



State of Utah

GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

Department of
Environmental Quality

L. Scott Baird
Interim Executive Director

DIVISION OF WASTE MANAGEMENT
AND RADIATION CONTROL
Ty L. Howard
Director

October 28, 2019

Lori Talbot, City Manager
Panguitch City
P.O. Box 75
Panguitch, UT 84726

RE: Finding of Completeness and Draft Permit Renewal
Panguitch Class IVb Landfill SW187

Dear Ms Talbot:

The Division of Waste Management and Radiation Control has completed its review of the permit renewal request for the Panguitch Class IVb Landfill. The permit renewal has been determined complete.

The required public comment period will begin on November 1, 2019 and will end on December 2, 2019. Notice of the public comment period will be published in the Wayne and Garfield County Insider on October 31, 2019. Following the public comment period and resolution of any comments, final action will be taken on the draft permit.

Enclosed is the draft permit and associated attachments for your review.

If you have any questions, please call Bryan Woolf at (801) 536-0227.

Sincerely,

T. Allan Moore, Solid Waste Program Manager
Division of Waste Management and Radiation Control

TAM/RDP/kl

(Over)

Enclosures: Draft Permit (DSHW-2019-010521)
Attachment #1 (DSHW-2019-011471)
Attachment #2 (DSHW-2019-011473)
Attachment #3 (DSHW-2019-011475)
Attachment #1 (DSHW-2019-011477)

c: Dr. David Blodgett, Health Officer, Southwest Utah Public Health Department
Gary House, Deputy Director, Southwest Utah Public Health Department
Jeremy Roberts, Environmental Health Director, Southwest Utah Public Health Department
Paul Wright, P.E., DEQ District Engineer

UTAH DIVISION OF WASTE MANAGEMENT
AND RADIATION CONTROL
SOLID WASTE LANDFILL PERMIT

CLASS IVb SOLID WASTE PERMIT

PANGUITCH CITY LANDFILL

Pursuant to the provisions of the *Utah Solid and Hazardous Waste Act*, Title 19, Chapter 6, Part 1, Utah Code Annotated (Utah Code Ann.) (the Act) and the *Utah Solid Waste Permitting and Management Rules*, Utah Administrative Code R315-301 through 320 adopted thereunder, a Permit is issued to

Panguitch City as owner and operator,

The Permittee is subject to the requirements of R315-301 through 320 of the Utah Administrative Code and the requirements set forth herein.

All references to R315-301 through 320 of the Utah Administrative Code are to regulations that are in effect on the date that this Permit becomes effective.

This Permit shall become effective _____ 2019.

This Permit shall expire at midnight _____ 2029.

Closure Cost Revision Date: _____ 2024.

Signed this ____ day of _____, 2019.

Ty L. Howard, Director
Division of Waste Management and Radiation Control

FACILITY OWNER/OPERATOR INFORMATION

LANDFILL NAME: Panguitch Class IVb Landfill

OWNER NAME: Panguitch City

OWNER ADDRESS: P.O. Box 75, Panguitch, UT 84759

OWNER PHONE NO.: 435-676-8585

OPERATOR NAME: Hughes Waste Haulers, INC

OPERATOR ADDRESS: P.O. Box 980, Panguitch, UT 84759

OPERATOR PHONE NO.: 435-676-8375

TYPE OF PERMIT: Class IVb Landfill

PERMIT NUMBER: 9610R2

LOCATION: Landfill site is located in Township 34 south, Range 5 west, Section 26 No., SLMB; Garfield County, Lat. 37 deg° 49 min' 17 sec", Long. 112 deg° 23 min' 1 sec."

PERMIT HISTORY Permit signed **INSERT DATE SIGNED**

The term, "Permit," as used in this document is defined in R315-301-2(55) of the Utah Administrative Code. "Director" as used throughout this Permit refers to the Director of the Division of Waste Management and Radiation Control.

This Permit consists of the signature page, Facility Owner/Operator Information section, Sections I through V, and all Attachments to this Permit.

The facility as described in this Permit consists of an existing permitted construction waste and demolition (C&D) landfill serving the residents of Panguitch and unincorporated areas in the immediate vicinity of Panguitch. The facility encompasses a total of 10 acres. The landfill will continue to be utilized exclusively for the disposal of inert waste, construction and demolition (C&D) related waste, yard waste, dead animals, and tires or tire derived material. Along with construction and demolition waste, the facility will also temporarily store recyclable materials to be transported to the regional facilities.

Compliance with this Permit does not constitute a defense to actions brought under any other local, state, or federal laws. This Permit does not exempt the Permittee from obtaining any other local, state or federal permits or approvals required for the operation of the landfill.

The issuance of this Permit does not convey any property rights, other than the rights inherent in this Permit, in either real or personal property, or any exclusive privileges other than those inherent in this Permit. This Permit does not authorize any injury to private property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations, including zoning ordinances.

The provisions of this Permit are severable. If any provision of this Permit is held invalid for any reason, the remaining provisions shall remain in full force and effect. If the application of any provision of this Permit to any circumstance is held invalid, its application to other circumstances shall not be affected.

By this Permit, the Permittee is subject to the following conditions.

PERMIT REQUIREMENTS

I. GENERAL COMPLIANCE RESPONSIBILITIES

I.A. General Operation

- I.A.1. The Permittee shall operate the landfill in accordance with all applicable requirements of R315-305 of the Utah Administrative Code that are in effect as of the date of this Permit unless otherwise noted in this Permit. Any permit noncompliance or noncompliance with any applicable portions of Utah Code Ann § 19-6-101 through 126 and applicable portions of R315-301 through 320 of the Utah Administrative Code constitutes a violation of the Permit or applicable statute or rule and is grounds for appropriate enforcement action, permit revocation, modification, or denial of a permit renewal application.

I.B. Acceptable Waste

- I.B.1. Construction/demolition waste as defined in R315-301-2(17) of the Utah Administrative Code;
- I.B.2. Yard waste as defined in R315-301-2(87) of the Utah Administrative Code;
- I.B.3. Inert waste, as defined in R315-301-2(37) of the Utah Administrative Code;
- I.B.4. Waste tires, may be accepted and managed in accordance with the requirements of R315-320 of the Utah Administrative Code;
- I.B.5. Petroleum contaminated soils as allowed in R315-315-8(3) of the Utah Administrative Code. and
- I.B.6. Dead animals when placed in a separate area and covered each day or placed in the working face and covered with waste immediately.

I.C. Prohibited Waste

- I.C.1. Hazardous waste as defined by R315-1 and R315-2 of the Utah Administrative Code;
- I.C.2. PCBs as defined by R315-301-2(53) of the Utah Administrative Code, except PCB's specified by R315-315-7(2)(a) and (c) of the Utah Administrative Code;
- I.C.3. Household waste, except waste resulting from the abatement, rehabilitation, renovation and remodeling of homes and other residences;
- I.C.4. Municipal waste;
- I.C.5. Special waste except as specified in this Permit;
- I.C.6. Regulated asbestos-containing material;
- I.C.7. Industrial solid waste as defined in R315-301-2(35) of the Utah Administrative Code;
- I.C.8. Commercial solid waste as defined in R315-301-2(14) of the Utah Administrative Code;

- I.C.9. Containers larger than household size (five gallons) holding any liquid, non-containerized material containing free liquids or any waste containing free liquids in containers larger than five gallons.
- I.C.10. Any prohibited waste received and accepted for disposal at the facility shall constitute a violation of this Permit, of 19-6-101 through 125 and of R315-301 through 320 of the Utah Administrative Code.

I.D. Inspections and Inspection Access

- I.D.1. The Permittee shall allow the Director of the Division of Waste Management and Radiation Control or an authorized representative, or representatives from the Southwest Utah Health Department, to enter at reasonable times and:
 - I.D.1.a Inspect the landfill or other premises, practices or operations regulated or required under the terms and conditions of this Permit or R315-301 through 320 of the Utah Administrative Code;
 - I.D.1.b Have access to and copy any records required to be kept under the terms and conditions of this Permit or R315-301 through 320 of the Utah Administrative Code;
 - I.D.1.c Inspect any loads of waste, treatment facilities or processes, pollution management facilities or processes, or control facilities or processes required under this Permit or regulated under R315-301 through 320 of the Utah Administrative Code; and
 - I.D.1.d Create a record of any inspection by photographic, video, electronic, or any other reasonable means.

I.E. Noncompliance

- I.E.1. If monitoring, inspection, or testing indicates that any permit condition or any applicable rule under R315-301 through 320 of the Utah Administrative Code may be or is being violated, the Permittee shall promptly make corrections to the operation or other activities to bring the facility into compliance with all permit conditions or rules.
- I.E.2. In the event of noncompliance with any permit condition or violation of an applicable rule, the Permittee shall promptly take any action reasonably necessary to correct the noncompliance or violation and mitigate any risk to the human health or the environment. Actions may include eliminating the activity causing the noncompliance or violation and containment of any waste or contamination using barriers or access restrictions, placing of warning signs or permanently closing areas of the facility.
- I.E.3. The Permittee shall:
 - I.E.3.a Document the noncompliance or violation in the daily operating record, including the day the event occurred or the day it was discovered;
 - I.E.3.b Notify the Director of the Utah Division of Waste Management and Radiation Control by telephone within 24 hours, or the next business day following documentation of the event; and

- I.E.3.c Give written notice of the noncompliance or violation and measures taken to protect human health and the environment within seven days after Director notification.
- I.E.4. Within thirty days after the documentation of the event, the Permittee shall submit to the Director a written report describing the nature and extent of the noncompliance or violation and the remedial measures taken or to be taken to protect human health and the environment and to eliminate the noncompliance or violation. After review of the assessment report, the Director may order the Permittee to perform appropriate remedial measures including development of a site remediation plan for approval by the Director.
- I.E.5. In an enforcement action, the Permittee may not claim as a defense that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with R315-301 through 320 of the Utah Administrative Code and this Permit.
- I.F. Revocation
- I.F.1. This Permit may be revoked if the Permittee fails to comply with any condition of the Permit. The Director will notify the Permittee in writing prior to any proposed revocation and such action shall be subject to all applicable hearing procedures established under R305-7 of the Utah Administrative Code and the Utah Administrative Procedures Act.
- I.G. Attachment Incorporation
- I.G.1. Attachments to the Permit are incorporated by reference into this Permit and are enforceable conditions of this Permit, as are documents incorporated by reference into the attachments. Language in this Permit supersedes any conflicting language in the attachments or documents incorporated into the attachments.

II. DESIGN AND CONSTRUCTION

II.A. Design and Construction

- II.A.1. The landfill shall be constructed according to the design outlined in the Attachment #1 and in the area designated in the Attachment #1, including landfill cells, fences, gates, and berms prior to acceptance of waste.
- II.A.2. The Permittee shall notify the Director upon completion of construction of any landfill cells or run-on and run-off diversion systems. No landfill cells or run-on and run-off diversion system may be used until construction is approved by the Director.
- II.A.3. The Permittee shall notify the Director of the completion of construction of any final cover system and shall provide all necessary documentation and shall apply for approval of the construction from the Director.
- II.A.4. If ground water is encountered during excavation of the landfill, the Director shall be notified immediately, and a contingency plan implemented or alternative construction design developed and submitted for approval.

II.A.5. All engineering drawings submitted to the Director shall be stamped by a professional engineer with a current registration in Utah.

II.B. Run-On and Run-off Control

II.B.1. The Permittee shall construct drainage channels and diversions and shall maintain them at all times to effectively prevent runoff from the surrounding area from entering the landfill.

III. LANDFILL OPERATION

III.A. Operations Plan

III.A.1. The Permittee shall keep the Operations Plan included in the Attachment #2 on site at the landfill or at the location designated in section III-H of this Permit. The Permittee shall operate the landfill in accordance with the operations plan. If necessary, the Permittee may modify the Operations Plan, provided that the modification meets all of the requirements of R315-301 through 320 of the Utah Administrative Code, is as protective of human health and the environment as the Operations Plan approved as part of this Permit. Any modification must be approved by the Director as a permit modification under R315-311-2 of the Utah Administrative Code. The Permittee shall note any modification to the Operations Plan in the daily operating record.

III.B. Security

III.B.1. The Permittee shall operate the Landfill so that unauthorized entry to the facility is restricted. The Permittee shall:

III.B.1.a Lock all facility gates and other access routes during the time the landfill is closed.

III.B.1.b Have at least *one* person employed by the Permittee at the landfill during all hours that the landfill is open.

III.B.1.c Construct all fencing and any other access controls to prevent access by persons or livestock by other routes.

III.C. Training

III.C.1. The Permittee shall provide training for on-site personnel in landfill operation, including waste load inspection, hazardous waste identification, and personal safety and protection.

III.D. Burning of Waste

III.D.1. Except as provided in this paragraph, intentional burning of solid waste is prohibited and is a violation of R315-303-4(2)(b) of the Utah Administrative Code. The Permittee is allowed to burn material by complying with the requirements of R307-202-5 of the Utah Administrative Code. The Permittee shall perform such burning in a segregated area within the landfill site. The Permittee shall extinguish all accidental fires as soon as reasonably possible. The Permittee's non-compliance with R307-202-5 of the Utah Administrative Code, as determined by the Director, also constitutes non-compliance with this Permit.

III.D.2. The Permittee shall extinguish all accidental fires as soon as reasonably possible.

III.E. Cover

III.E.1. The Permittee shall cover the waste as necessary to prevent fires and to control vectors, blowing litter, odor, scavenging, and fugitive dust.

III.E.2. The Permittee may use an alternative cover material when the material and operation meets the requirements of R315-303-4(4)(b) through (e) of the Utah Administrative Code.

III.E.3. The Permittee shall use a minimum of six inches of earthen cover no less than once each month for all wastes received at the landfill. This cover shall consist of soil; no alternative may be used.

III.E.4. The Permittee shall record in the daily operating record and the operator shall certify, at the end of each day of operation when soil or an alternative cover is placed, the amount and type of cover placed and the area receiving cover. Cover requirements for dead animals are found in Section III-L of this Permit.

III.F. Waste Inspections

III.F.1. The Permittee shall visually inspect incoming waste loads to verify that no wastes other than those allowed by this permit are disposed in the landfill. The Permittee shall conduct a complete waste inspection at a minimum frequency of 1 % of incoming loads, but no less than one complete inspection per day. The Permittee shall select the loads to be inspected on a random basis.

III.F.2. The Permittee shall inspect all loads suspected or known to have one or more containers capable of holding more than five gallons of liquid to ensure that each container is empty.

III.F.3. The Permittee shall inspect all loads that the Permittee suspect may contain a waste not allowed for disposal at the landfill.

III.F.4. The Permittee shall conduct complete random inspections as follows:

III.F.4.a The Permittee shall conduct the random waste inspection at the working face or an area designated by the Permittee.

III.F.4.b The Permittee shall direct that loads subjected to complete inspection be unloaded at the designated area;

- III.F.4.c Loads shall be spread by equipment or by hand tools;
- III.F.4.d Personnel trained in hazardous waste recognition and recognition of other unacceptable waste shall conduct a visual inspection of the waste; and
- III.F.4.e The personnel conducting the inspection shall record the results of the inspection on a waste inspection form as found in Attachment #3. The Permittee shall place the form in the daily operating record at the end of the operating day.
- III.F.4.f The Permittee or the waste transporter shall properly dispose of any waste that is not acceptable at the facility at an approved disposal of that type of waste.

III.G. Self Inspections

- III.G.1. The Permittee shall inspect the facility to prevent malfunctions and deterioration, operator errors, and discharges that may cause or lead to the release of wastes or contaminated materials to the environment or create a threat to human health or the environment. The Permittee shall complete these general inspections no less than quarterly and shall cover the following areas: Waste placement, compaction, adequate cover, fences and access controls, roads, run-on/run-off controls, final and intermediate cover, litter controls, and records. The Permittee shall record the inspections in the daily operating record on the day of the inspection. The Permittee shall correct the problems identified in the inspections in a timely manner and document the corrective actions in the daily operating record.

III.H. Recordkeeping

- III.H.1. The Permittee shall maintain and keep on file at the facility office, a daily operating record and other general records of landfill operation as required by R315-302-2(3) of the Utah Administrative Code. The landfill operator, or other designated personnel, shall date and sign the daily operating record at the end of each operating day. The Daily operating record shall consist of the following two types of documents:
 - III.H.2. Records related to the daily landfill operation or periodic events including:
 - III.H.2.a The number of loads of waste and the weights or estimates of weights or volume of waste received each day of operation and recorded at the end of each operating day;
 - III.H.2.b Major deviations from the approved plan of operation recorded at the end of the operating day the deviation occurred;
 - III.H.2.c Results of monitoring required by this Permit recorded in the daily operating record on the day of the event or the day the information is received;
 - III.H.2.d Records of all inspections conducted by the Permittee, results of the inspections, and corrective actions.
 - III.H.3. Records of a general nature including:
 - III.H.3.a A copy of this Permit, including the Attachments;

III.H.3.b Results of inspections conducted by representatives of the Director and representatives of the local Health Department, when forwarded to the Permittee;

III.H.3.c Closure and Post-closure care plans; and

III.H.3.d Records of employee training.

III.I. Reporting

III.I.1. The Permittee shall prepare and submit to the Director an Annual Report as required by R315-302-2(4) of the Utah Administrative Code. The Annual Report shall include: the period covered by the report, the annual quantity of waste received, an annual update of the financial assurance mechanism, and all training programs completed.

III.J. Roads

III.J.1. The Permittee shall improve and maintain all access roads within the landfill boundary that are used for transporting waste to the landfill for disposal as necessary to assure safe and reliable all-weather access to the disposal area.

III.K. Litter Control

III.K.1. Litter resulting from operations of the landfill shall be minimized. The Permittee shall implement the following procedures when high wind conditions are present:

III.K.1.a Reduce the size of the tipping face;

III.K.1.b Reduce the number of vehicles allowed to discharge at the tipping face at one time;

III.K.1.c Orient vehicles to reduce wind effects on unloading and waste compaction;

III.K.1.d Reconfigure tipping face to reduce wind effect;

III.K.1.e Use portable and permanent wind fencing as needed; and

III.K.1.f Should high winds present a situation that the windblown litter cannot be controlled, the Permittee shall cease operations of the landfill until the winds diminish.

III.L. Disposal of Special Wastes

III.L.1. The Permittee may dispose of animal carcasses may at the landfill working face and shall cover them with earth by the end of the operating day on which the carcasses are received. Alternatively, the Permittee may dispose of animal carcasses in a special trench or pit prepared for the acceptance of dead animals. If a special trench is used, the Permittee shall cover animals placed in the trench with six inches of earth at the end of each operating day.

IV. **CLOSURE REQUIREMENTS**

IV.A. Closure

IV.A.1. The Permittee shall place the final cover of the landfill as shown in the Attachment #4. The final cover shall meet, at a minimum, the standard design for closure as specified in R315-305-5(5)(b) of the Utah Administrative Code.

IV.B. Title Recording

IV.B.1. The Permittee shall meet the requirements of R315-302-2(6) of the Utah Administrative Code by recording a notice with the Garfield County Recorder as part of the record of title that the property has been used as a landfill. The notice shall include waste disposal locations and types of waste disposed. The Permittee shall provide the Director the notice after recordation.

IV.C. Post-Closure Care

IV.C.1. The Permittee shall perform post-closure care at the closed landfill in accordance with the Post-Closure Care Plan in Attachment #4. Post-closure care shall continue until all waste disposal sites at the landfill have stabilized and the finding of R315-302-3(7)(c) of the Utah Administrative Code is made.

IV.D. Financial Assurance

IV.D.1. The Permittee shall keep in effect and active the currently approved financial assurance mechanism or another approved mechanism that meets the requirements of R315-309 of the Utah Administrative Code and is approved by the Director to cover the costs of closure and post-closure care at the landfill. The Permittee/s shall adequately fund and maintain the financial assurance mechanism(s) to provide for the cost of closure and post-closure until termination of financial assurance in accordance with R315-309-11 of the Utah Administrative Code.

IV.E. Financial Assurance Annual Update

IV.E.1. The Permittee shall submit an annual revision of closure and post-closure costs for inflation and financial assurance to the Director as part of the annual report as required by R315-309-2(2) of the Utah Administrative Code.

IV.F. Closure Cost and Post-Closure Cost Revision

IV.F.1. The Permittee shall submit a complete revision of the closure and post-closure cost estimates by the Closure Cost Revision Date listed on the signature page of this Permit and any time the facility is expanded, any time a new cell is constructed, or any time a cell is expanded.

V. ADMINISTRATIVE REQUIREMENTS

V.A. Permit Modification

V.A.1. Modifications to this Permit may be made upon application by the Permittee or by the Director following the procedures specified in R315-311-2 of the Utah Administrative Code. The Permittee shall be given written notice of any permit modification initiated by the Director.

V.B. Permit Transfer

V.B.1. This Permit may be transferred to a new Permittee in accordance with R315-310-11 of the Utah Administrative Code.

V.C. Expansion

V.C.1. This Permit is for the operation of a Class IVb Landfill according to the design and Operation Plan described and explained in Attachment #2. Any expansion of the current footprint designated in the description contained in Attachment #1, but within the property boundaries designated in Attachment #1, shall require submittal of plans and specifications to the Director. The plans and specifications shall be approved by the Director prior to construction.

V.C.2. Any expansion of the landfill facility beyond the property boundaries designated in the description contained in Attachment #1 shall require submittal of a new permit application in accordance with R315-310 of the Utah Administrative Code.

V.C.3. Any addition to the acceptable wastes described in Section I-B shall require a permit modification in accordance with R315-311 of the Utah Administrative Code.

V.D. Expiration

V.D.1. If the Permittee desires to continue operating this landfill after the expiration date of this Permit, the Permittee shall submit an application for permit renewal at least six months prior to the expiration date, as shown on the signature (cover) page of this Permit. If the Permittee submits a timely permit renewal application and the permit renewal is not complete by the expiration date, this Permit shall continue in force until renewal is completed or denied.

Attachments

- 1 – Landfill Design and Construction
- 2 – Operations Plan
- 3 – Waste Inspections
- 4 – Closure and Post-Closure

Attachment #1 – Landfill Design and Construction

APPLICATION

GENERAL DESCRIPTION

The Panguitch Class IVB Landfill is a natural reduction facility designed to fulfill the current and future solid waste disposal needs of the Panguitch area. The facility encompasses a total of 10 acres and contemplates service to Panguitch and unincorporated areas in the immediate vicinity. Annual average waste volumes are estimated at less than five tons per day, and precipitation is less than 20 inches per year.

LEGAL DESCRIPTION

The site is legally described as the Southwest $\frac{1}{4}$ of the Southwest $\frac{1}{4}$ of the southeast $\frac{1}{4}$, Section 26, Township 34 South Range 5 West, containing 10 acres. A location map is included as Exhibit 2a, and Exhibit 2b is a patent for the property.

The facility's main gate is located on an existing county road 112°23'01" longitude and 37°49'17" latitude. Lands adjacent to the facility are considered multiple use lands controlled by the Bureau of Land Management (BLM). The closest private land exists approximately 1/8th of a mile north and west of the site.

Garfield County's zoning ordinance apply in the vicinity of the Class IV landfill. A conditional use permit has been processed by the County; future zoning policies and ordinances will accommodate the Panguitch Class IV Landfill as they are adopted.

WASTE TYPES/AREA TO BE SERVED

Waste accepted by the Panguitch Class IVB Landfill will be comprised of inert waste, construction/demolition waste, yard waste, dead animals, tires or tire derived material, and other waste approved by the Director. The facility will also temporarily store recyclable materials, up to one year, prior to transportation to regional facilities. Special waste shall only be accepted and handled in accordance with Administrative Rule R315-315 and subject to the conditions of the permit.

Dead animals are the only special waste authorized for permanent disposal at the Panguitch Class IVB Landfill. Dead animals received at the facility shall be deposited onto the working face at or near the bottom of the cell with other solid waste, or in a separate disposal trench and will be coved daily with a minimum of six (6) inches of earth to prevent odors and the propagation and harborage of rodents and insects. Currently, the landfill does not allow dead animals as the county has a dead animal pit in the area. Regulations will be followed if and when dead animals are accepted.

Bulky wastes such as car bodies, furniture, and appliances will be stored in a separate area of the landfill for future disposal at a permitted Class I, II, or V Landfill or for recycling. Local scrap dealers are willing to accept such waste if assistance can be provided in loading the material. Other special wastes identified in the regulations will not be accepted at the facility unless specifically authorized by the Director.

The service area may consist of all lands within the legal boundaries of Garfield County. However, considering the location of the facility and additional solid waste disposal facilities being permitted in other areas of the County, it is anticipated the service area will be practically limited to residents in the Panguitch area. Exhibit 3 illustrates the service area for the Panguitch IVB Landfill. The landfill is not a commercial landfill, a minimal amount of construction waste from contractors is allowed.

PLAN OF OPERATION

The plan of operation required by Subsection R315-302-2 can be found in other portions of this application.

REQUIRED FORMS

The daily record form used to record weights of volumes of waste received required by Subsection R315-302-2(3) is included as Exhibit 4a. The form for recording inspections for hazardous and PCB wastes is included in Exhibit 4b.

INSPECTIONS

The owner or operator inspects the facility to prevent malfunctions, deterioration, operation errors, and discharges which may result in the release of wastes to the environment or a threat to human health. The owner or operator conducts these inspections at least once each quarter and completes the inspection log included as Exhibit 5. The inspection log is kept for a minimum of three years from the date of inspection.

The Executive Secretary or any duly authorized officer, employee, or representative of the board may, at any reasonable time, enter the facility for inspection purposes. An inspection report containing a list of any deficiencies and recommended actions will be furnished to the owner and to the operator within a reasonable time. The inspector may also discuss problems and make preliminary recommendations prior to leaving the facility.

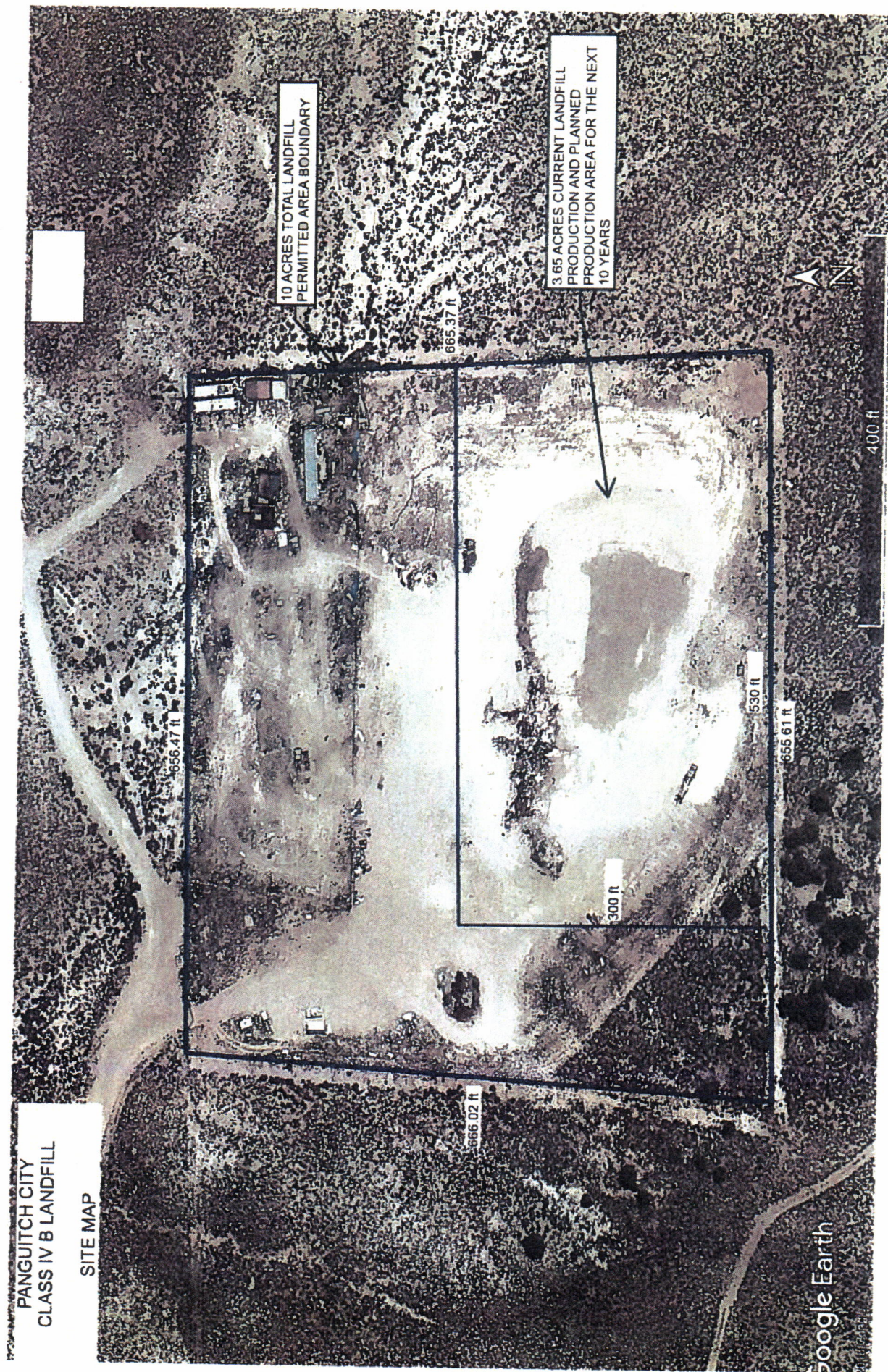
WATER QUALITY REVIEW

The Utah Solid Waste Permitting and Management Rules does not require ground water monitoring at Class IVB Landfills. Accordingly, no ground water monitoring wells have been installed at the Panguitch Class IVB landfill.

Exhibit 2a & 2b



Exhibit 6



Attachment #2 – Operations Plan

PLAN OF OPERATION

INTRODUCTION

This document constitutes the plan of operation for the Panguitch Class IVB Landfill and is intended to comply with guideline R315-302-2(2) of the Utah Division of Solid and Hazardous Waste Administrative Rules. Technical questions and comments may be direct to:

Lori Talbot, City Manager

PO Box 75

Panguitch, UT 84759

(435) 676-8585

WASTE HANDLING PROCEDURES

One of the purposes of the Panguitch Class IV landfill is to expand integrated solid waste management techniques near Panguitch. The facility is separated into various disposal areas including:

1. Yard Wastes
2. Construction/Demolition Wastes
3. Dead Animals
4. Recyclable Metals
5. Other Categories as Need and Markets Develop

Yard wastes are vegetative matter resulting from landscaping, land maintenance, and land clearing operations including grass clippings, pruning, and other discarded materials generated from yards, gardens, parks, farms, and similar types of facilities. This type of waste does not include garbage, paper, plastics, sludge, seepage, lumber, wood products, or manure.

Yard wastes brought to the landfill is placed in the designated area, separated by type (chippable tree limbs & bushes, grass clippings, and trees, trunks & stumps). The material is held until it can be burned, chipped or placed at the working face of the landfill. All burning will be done in accordance with Utah State Law and under the direction of the City Fire Chief. No trash, rubbish, tires, or oil may be used to start the fires. Open burning is prohibited at the landfill, so yard wastes must be separated from the working area prior to burning. Separation may occur through the use of berms, trenches, roads, buffer zones, pits or appropriate fences. Trees, trunks, and stumps may be cut and used for heating fuel, slope protection, barriers, or in other approved projects. Grass clippings and chipped material may be distributed for

landscaping projects, soil amendments, or other appropriate uses, including cover in other areas of the facility. Yard wastes which are not used or disposed within one year will be transferred to the construction/demolition area for final disposal.

Construction/demolition material is brought to the working face where it is dumped and spread. Large timbers and recyclable lumber may be separated and held for reuse. This waste is covered as needed to avoid a fire hazard, blowing litter, or vector problems. Cover material includes fire resistant material, six inches of earthen material, or an alternate cover approved by the Director. No fires are permitted within this area of the landfill.

Dead animals will be handled in accordance with administrative Rules 315-315. Dead animals received at the facility shall be deposited onto the working face at or near the bottom of a cell designated for dead animals, or in a separate disposal trench. All dead animals will be completely covered daily with a minimum of six inches of earth to prevent odors and the propagation and harborage of rodents and insects. When the situation arises that dead animals must be delivered to the facility during closed periods, generators will be required to contact the owner and arrange for a landfill operator to be present during disposal. Permission for entry may be granted after pertinent information including date, name of generator, number and type of animals disposed is provided. Animals delivered to the landfill under this scenario will be immediately covered with six inches of earthen material. Panguitch City Landfill does not currently accept dead animals as the county has a dead animal pit in the area.

Bulky wastes including large appliances, furniture, car bodies, and recyclable metals may be stored at the facility temporarily while a sufficient volume is being collected for transportation to a recycling facility or end user. These materials are stored in a neat and tidy manner and in an area designated for such purposes. Bulky wastes stored for more than one year are transported to a facility permitted for final disposal of these materials. Batteries and fluids are removed from car bodies prior to acceptance at the landfill.

Tires and tire-derived material will be received for storage in accordance with Section R315-320 until they can be transported to a tire recycler. Some funding is available for hauling waste tires to a recycler and storage in a separate facility through Utah's waste tire recycling act.

Equipment to be used at the facility consists primarily of a dump truck, a bulldozer, and a backhoe owned by Panguitch City. When additional equipment is needed, it is borrowed or leased from Garfield County or other supplier. This may include loaders, trucks, and graders. Chippers and other processing equipment will be acquired as funds and needs dictate.

INSPECTIONS AND MONITORING

At least one employee is on site to perform inspection and monitoring functions during all times the facility is open to the public. Inspection and monitoring at the Panguitch Class IV Landfill are conducted in two components: (1) routine and (2) compliance. Routine inspections are conducted on each incoming load of material as it enters the facility and is deposited to

prohibit receipt of unacceptable wastes. In addition, random checks are made during deposition, spreading, and covering operations to ensure no unauthorized waste is received at the landfill, to insure protection of the environment and prevent of nuisances. Random waste screening will be conducted on a minimum of 1% of all income loads. Random inspection forms is provided in Exhibit 4b. Waste screening inspections are made by trained personnel.

Compliance inspections are conducted quarterly to assess the integrity of cover, the condition of side slopes and vegetative cover, and the impacts of erosion. Quarterly inspection form is provided as Exhibit 5. In addition, the detailed quarterly inspection included a review to verify compliance with all permit conditions and state and federal regulations.

FIRE/EXPLOSION CONTINGENCY PLAN

In the event of a fire or an explosion that prohibits deposition on incoming waste in the existing cell, the landfill will be closed, and incoming waste will be diverted to an alternate facility. Alternate facilities may include other permitted Class IV landfills in the area, the John's Valley Landfill, The Wayne County Landfill, the Sevier County Landfill or other future landfill facilities. Upon resolution of the unexpected event, the facility will be reopened.

Landfill fires and explosions are difficult to control and require different techniques than many incidents handled by local volunteer fire departments. For this reason fires and/or explosions at the Panguitch Class IV Landfill will be managed by landfill personnel. However, local fire departments will respond to provide assistance if requested by the landfill manager. The outline for procedures to follow in case of fire or explosion is:

1. Secure Affected Area
2. Divert Incoming Waste
3. Isolate Fire/Explosion
4. Suppress Incident If Possible
5. Request Additional Assistance If Needed
6. Report and Record Necessary Information

CORRECTIVE ACTION FOR CONTAMINATED GROUND WATER

This section describes corrective action to be taken by owners and operators of the Panguitch Class IVB Landfill to regain compliance with protection levels of the permit in the event releases are discovered and acceptable concentration limits for ground water are exceeded.

No monitoring wells are proposed for the Panguitch Class IV Landfill. However, if the concentrations of parameters in down gradient wells exceed the acceptable concentration limits as substantiated by confirmatory analyses, owners and operators of the Panguitch Class IVB Landfill will implement a corrective action program as outlined in R315-308.

CONTINGENCY PLAN FOR OTHER RELEASES

This section describes corrective actions to be taken by the Panguitch Class IV Landfill to regain compliance with the protection levels of the permit in the event releases are discovered and acceptable concentration limits are exceeded.

When the concentration of parameters exceeds acceptable limits as substantiated by confirmatory analyses, owners and operators of the Panguitch Class IV Landfill will implement a corrective action program approved by the Executive Secretary.

EQUIPMENT MAINTENANCE

Maintenance of equipment used in day to day operations are performed by landfill employees or contracted mechanics in accordance with manufacturer recommendations and industry practices.

RUN-ON/RUN-OFF CONTROL

Panguitch City controls the run-on and run-off resulting from the 25 year event from contacting solid waste and leaving the landfill. This is accomplished through a series of best management practices. Each cell is surrounded with berm style stockpiling of excess excavated material. The berms vary in height and prevent unanticipated flow of surface waters into the active areas of the facility.

In addition to the berms, additional measures including ditches and contouring may be implemented to direct surface drainage to desired areas.

EXCLUSION OF HAZARDOUS WASTE

As a rural Class IVB Landfill, the Panguitch facility is in a favorable position regarding exclusion of hazardous waste. Generally, all waste is delivered by local, known generators, and the waste is observed as it is deposited. During periods the landfill is open to the public, at least one percent of the vehicles and other suspicious loads are directed to dispose of their material near the working face in a manner that permits inspection prior to unloading. The waste generator is detained while the load is inspected; if unacceptable hazardous substances are encountered, they will not be unloaded, and appropriate authorities will be contacted. Considering the population served, waste volumes generated, and complexity of the solid waste streams, these measures are considered to be adequate.

A section documenting the results of the formal inspections outlined above has been included as part of the daily record forms (see Exhibit 4b). Including hazardous/PCB waste records on the daily record allows landfill managers to incorporate inspections

into their daily routine and permits regulators to review inspection patterns efficiently while examining waste volumes.

DISEASE VECTOR CONTROL

The waste accepted at a Class IVB landfill should not attract possible disease vector animals. The primary method for disease vector control at the Panguitch Class IVB Landfill is limiting wastes to those types approved by the permit and providing an appropriate cover as needed to prevent fires. The cover consists of a six inch minimum layer of earthen material over dead animals or an alternate cover approved by the Executive Secretary.

Rodents and other vermin are not permitted to burrow in the active area of the landfill, and trapping or extinction methods are implemented to protect the integrity of the disease vector control program.

ALTERNATIVE DISPOSAL

Alternative waste handling procedures for periods when the landfill is not in operation are similar to procedures for fires and explosions. Waste will be diverted to alternate disposal sites. Alternate facilities may include other permitted Class IV landfills in the area; the John's Valley Landfill, the Wayne County Landfill, the Sevier County Landfill or other future landfills. Procedures will continue in this manner until operations at the landfill can return to normal.

In the event of equipment breakdown that cannot be repaired in a reasonable time frame, equipment will be borrowed from contributing entities or leased from local distributors. It is the intent of owners and operators to have dedicated equipment at the landfill over a period of time and to acquire appropriate backup equipment.

CLOSURE/POST CLOSURE

Closure of active portions of the Panguitch Class IVB Landfill contemplates controlling, minimizing, and eliminating threats to human health and the environment from post-closure escape of solid waste constituents, leachate, landfill gases, contaminated runoff, or waste composition products to the ground, ground water, surface water, and the atmosphere. When an area of the landfill exceeding 3,000 square yards reaches final elevation, it will be covered within 60 days with 12 inches of intermediate cover and graded to promote drainage. Final slopes of the landfill shall be at least 2% and no more than 33%. The surface shall be free from ponding and shall minimize infiltration. Not more than six months after completion of the intermediate cover, the area will be covered with a minimum of 24 inches of earthen materials including six inches of material capable of supporting vegetative growth.

Post-closure care of inactive sections of the landfill will consist of maintaining the integrity of the final and vegetative covers. Any areas subject to erosion will also be corrected; and appropriate measures will be implemented to identify and eliminate the source. Ground water monitoring, leachate collection, and gas collection are not proposed for the Panguitch Class IV Landfill. Therefore, closure and post-closure activities associated with these functions will not be performed.

FINANCIAL ASSURANCE

A financial assurance plan has been developed for the Panguitch Class IVB Landfill and is contained in other sections of this document. The plan consists of insuring that sufficient funding is available within five years of initial solid waste receipt for the closure of the largest area of the landfill that is active at any time. Cost estimates were developed considering a third party performing the work. The closure and post-closure cost estimates are provided in Exhibit 7.

TRAINING AND SAFETY PLAN

The landfill operator is trained through experience and help from the Utah Department of Environmental Quality. Panguitch City employees attend safety, OSHA, fire and first aid workshops. The landfill manager works 5 to 12 hours a week. Training will be provided as available on a local basis. The Garfield County Engineer is helpful with local training.

RECYCLING

Recycling means extracting valuable materials from the waste stream and remanufacturing them into useable products. Technical recycling expertise is not available and reliable recycling markets do not exist for solid waste disposed at the Panguitch Class IVB Landfill. In an effort to promote source reduction and future recycling, large appliances, car bodies, and some ferrous metals will be stored onsite until they can be transported to an appropriate recycling/salvage facility. Recyclable material shall be stored on site for no more than one year. Compostable material may be diverted to areas designated for mulching or burning. However, no formal recycling or remanufacturing program is anticipated for this facility.

ACCESS CONTROL AND ON-SITE PERSONNEL

Fencing is placed around accessible portions of the active cell and any closed areas with a lockable gate provided at the main entrance to the facility. The fence consists of four strands of barbed wire. The absence of any roads and existing topography surrounding the site eliminate the possibility of unauthorized vehicular traffic.

Landfill personnel are on-site during all hours the facility is open to the public. The current schedule for operation of the Panguitch Class IV Landfill is:

Winter hours	Wednesdays 3:00 to 5:00 pm
	Saturday 10:00 am to 2:00 pm
Summer hours	Tuesday, Wednesday, Thursday & Friday 3:00 to 7:00 pm
	Saturday 10:00 am to 4:00 pm

Authorized collection vehicles operated by personnel under contract with the landfill and containing construction waste, yard waste, dead animals, or waste tire material may be entering the landfill when the facility is not open to the public. Waste will not be accepted from the public during these periods. The City intends to revise the scheduled operations of the landfill as the need arises and solid waste volumes dictate.

Attachment #3 – Waste Inspections

1. 10/1/2019
2. 10/1/2019
3. 10/1/2019

1. 10/1/2019
2. 10/1/2019

1. 10/1/2019
2. 10/1/2019
3. 10/1/2019

1. 10/1/2019
2. 10/1/2019
3. 10/1/2019

1. 10/1/2019
2. 10/1/2019
3. 10/1/2019

1. 10/1/2019

1. 10/1/2019
2. 10/1/2019

1. 10/1/2019

1. 10/1/2019
2. 10/1/2019

1. 10/1/2019

1. 10/1/2019
2. 10/1/2019

1. 10/1/2019

1. 10/1/2019
2. 10/1/2019
3. 10/1/2019

1. 10/1/2019

1. 10/1/2019

1. 10/1/2019
2. 10/1/2019

1. 10/1/2019

1. 10/1/2019

PANGUITCH CLASS IV LANDFILL
Weight, Volume, and Vehicle Record

Date: _____ Day of Week: _____ Page ____ of ____

<u>Time</u>	<u>Vehicle No.</u>	<u>Est. Volume</u> <u>Cu. Yds.</u>	<u>Est. Weight</u> <u>Tons</u>	<u>Type of</u> <u>Origin</u>	<u>Waste</u>
-------------	--------------------	---------------------------------------	-----------------------------------	---------------------------------	--------------

Signature _____ Date _____

PANGUITCH CLASS IV LANDFILL

Exhibit 4a. Daily Record Form

HAZARDOUS WASTE / PCB INSPECTION RECORD

Date: _____ Time: _____ Vehicle No. _____

Random Selection: Yes / No Suspicious Load: Yes / No Other: _____

Vehicle Owner: _____
Name Address

City, State Phone

Waste Origin: _____

Waste Types: _____

Describe any hazardous or PCB wastes encountered: _____

Action Taken: _____

Comments: _____

If hazardous waste or PCB waste is encountered, contact the Division of Solid and Hazardous Waste at (801) 538-6170

Signature _____ Date _____

PANGUITCH CLASS IV LANDFILL

Exhibit 4b. Hazardous/PCB Waste Record Form

Panguitch Class IV Landfill Quarterly Inspection Log

This document is the official form required for compliance with R315-301-7(5)(a) for the Panguitch Class IV Landfill.

Date _____ Time _____ Weather _____

Inspection Team: _____

Observations: _____

Date and Nature of Repairs/Corrective Action: _____

Other: _____

Explosive Gas Monitoring ___ Structures ___ Property Boundary

Training Procedures Completed: _____

Major Deviations from Plan of Operation: _____

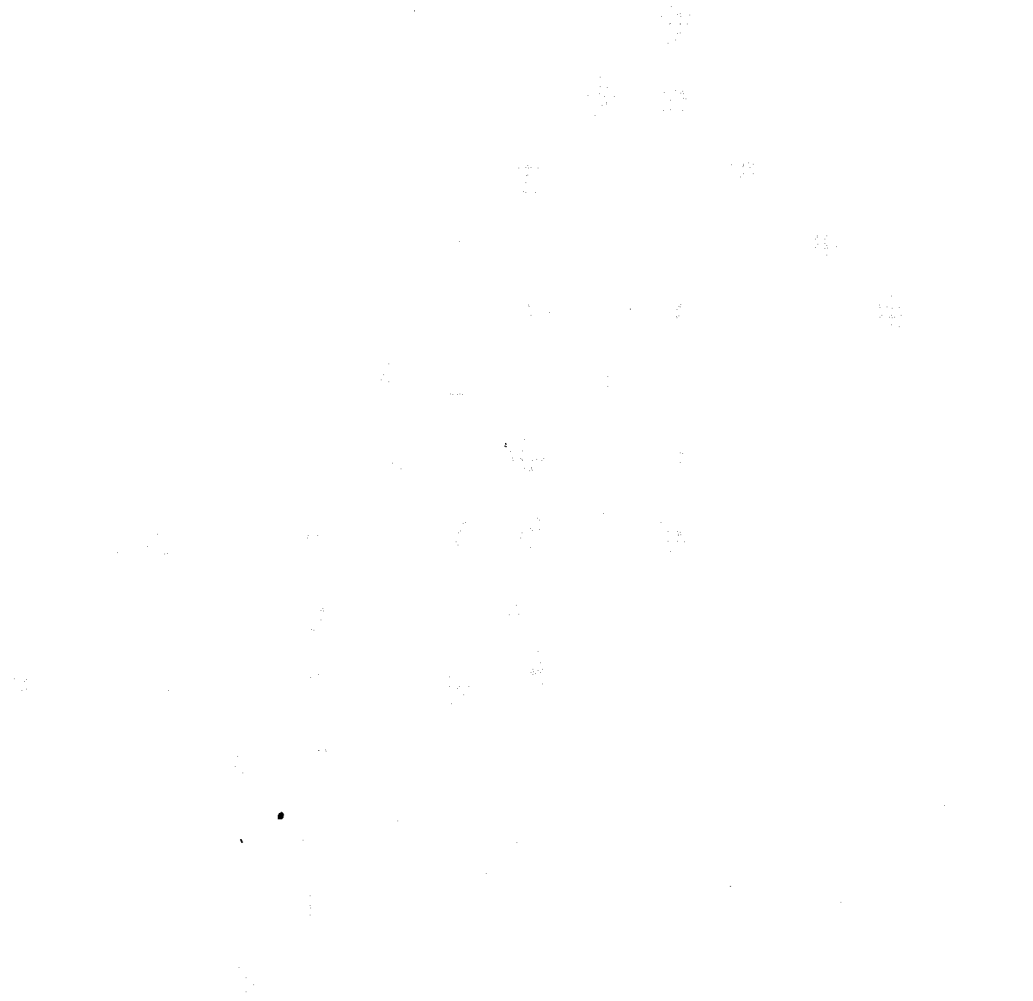
Name of Inspector Signature

This form shall be kept on site or at another convenient location if no permanent office facilities exist for a minimum of 3 years.

PANGUITCH CLASS IV LANDFILL

Exhibit 5. Quarterly Inspection Log

Attachment #4 – Closure and Post-Closure



Owners and operators of the Panguitch Class IVB Landfill employ measures to prevent the disposal of unauthorized waste by insuring that at least one person is on site during hours of operation. Unauthorized access and disposal during closed periods are prevented by controlling entry. Lockable gates, fences, natural barriers, berms, and other methods are employed to insure access to the facility is controlled.

EMISSION PREVENTION

Appropriate measures to prevent emissions of fugitive dusts are employed when weather conditions or climate indicate that transport of dust off-site is liable to create a nuisance. Preventative measures include watering access roads and covering wastes with soils.

FIRE PREVENTION

The hazard of unauthorized fires is reduced by covering wood, timbers, and other combustible material with soil as needed. A specific portion of the landfill is set aside for yard waste. These wastes may be burned during appropriate times of the year or chipped for future use. Burning will only be conducted under the direction of the City Fire Chief and in accordance with State Law.

CLOSURE

Closure operations will be performed on an ongoing basis. When a portion of the landfill attains final elevation, and sufficient working area exists to place final cover, closure operations will be initiated. Closure will consist of leveling the wastes to the extent practicable and filling any voids posing a physical hazard. Contouring necessary to produce an aesthetic appearance may also be conducted. Wastes will then be covered with additional soil to a minimum total depth of two feet, including six inches of topsoil. An alternate cover system may be implemented, if it can be demonstrated it meets applicable standards. Construction of the final cover will be performed with on-site personnel or may be contracted with private enterprises.

Closed portions of the landfill may be seeded with grass, shallow rooted vegetation, native vegetation, or covered in another manner approved by the Director. Closed areas will be randomly examined as part of the quarterly inspection. Any deficiencies will be repaired as soon as practical. For those failures which jeopardize the environmental integrity of the facility, corrective measures will be initiated immediately.

No alternate land use for closed sections has been developed to date. Closed cells will remain under the jurisdiction of the landfill manager and the property owner. If alternate land use plans are developed, they will be addressed during the permit renewal process, or a separate permit modification may be submitted.

CLOSURE PLAN

CLOSURE SEASON AND YEAR

Closure operations at the Panguitch Class IVB Landfill will be performed on an ongoing basis. Adequate capacity exists at the landfill to continue operation for many years. A final closing date cannot be determined at this time. Ongoing closure operations will generally be performed from May through October, the normal frost-free construction period, or as weather permits. No area larger than 1.5 acres that has achieved final elevation will remain open longer than six months.

FINAL COVER, SEEDING, CONTOURING

Closure operations will consist of leveling, contouring, placement of appropriate covers and seeding as necessary to reduce infiltration and preserve the integrity of the completed areas at the landfill. Areas of the landfill reaching final elevation will be closed within six months. Closure operations will include leveling and contouring using intermediate cover to reduce infiltration and ponding. Excess materials may be striped and utilized in other operations or left in place. After grading operations promoting drainage are complete, earthen material work increases the total cover depth to two feet including six inches of topsoil will be installed. Final slopes of the landfill shall be at least 2% but not more than 33%. Upon completion of the covering operations, closed areas will be seeded. The seed mixture shall be developed after consultation with local range specialists and verifying availability of local seed markets. Recently closed sections of the landfill will be evaluated as part of the quarterly inspection process and will be placed on post-closure status.

SITE CAPACITY

Site capacity for the entire Panguitch Class IVB Landfill cannot be accurately estimated. Assuming the initial 1-acre parcel, trench style operation (40 foot bottom width; 4:1 side slopes, 30 foot depth), three 8.5 foot lifts of waste with 1.5 foot intermediate cover, and an average density of 900 pounds per cubic yard, waste volumes can be estimated at 264,000 cubic yards of 118,800 tons.

ACTIVE FILL VERSUS CLOSED AREA

The active area of the Panguitch Class IV Landfill is not anticipated to exceed 1.5 acres, with normal operations generally confined to less than 1.0 acre. The closed portion of the landfill will initially be 0 acres and may increase as much as 1.0 acre per year during the life of the facility. 2.0 acres have been closed as of 1-1-09.

CLOSURE TIMING AND NOTIFICATION

Closure activities at the Panguitch Class IVB Landfill will be performed on an ongoing basis. The Director will be given written notification of at least 30 days prior to the closure of any disposal cell.

CLOSURE COSTS AND MECHANISMS

Closure costs and post closure costs were estimated using projections for a third party to perform the work and considering the largest area of the disposal facility requiring final cover during the operating period. Cover operation consisted of 20 hours of equipment time and included seeding and inspection. The cost estimates are contained in Exhibit 6. Closure costs are estimated at \$66,017; the funding mechanism is a PTIF dedicated escrow account #6036. Panguitch City will provide approved \$4,500.00 per year to get PTIF to State standard.

RUN-ON AND RUN-OFF SYSTEMS

No technical devices are proposed to control run-on and run-off systems at the Panguitch Class IVB Landfill. Best management practices have been implemented to minimize infiltration and assure the integrity of the run-on/run-off system. Run-on and run-off from events smaller than the 25 year storm will be controlled.

Run-on control consists of a perimeter diversion dike constructed along the edges of the active area and utilizes natural topography to intercept any surface waters and channelize potential run-on away from areas containing waste. Inside the dikes, contouring which contains precipitation provides additional assurance against potential surface water impacts. The dike has been constructed of native materials and has a minimum base width of four feet and minimum height of one foot. Addition control berms may also be constructed on the edge of the construction/demolition area to separate yard waste areas.

Run-off will be controlled by containing accumulated precipitation within the active area. During the active life of a cell, run-on control dikes will also serve as run-off control berms. Contouring will be performed to channelize surface waters to appropriate areas for dissipation. After closure, final cover will be graded to promote drainage and surface flows will not be permitted to contact waste. Considering the extremely limited precipitation, native soil characteristics, and the nature of acceptable wastes, run-on/run-off control features for the facility are more than adequate.